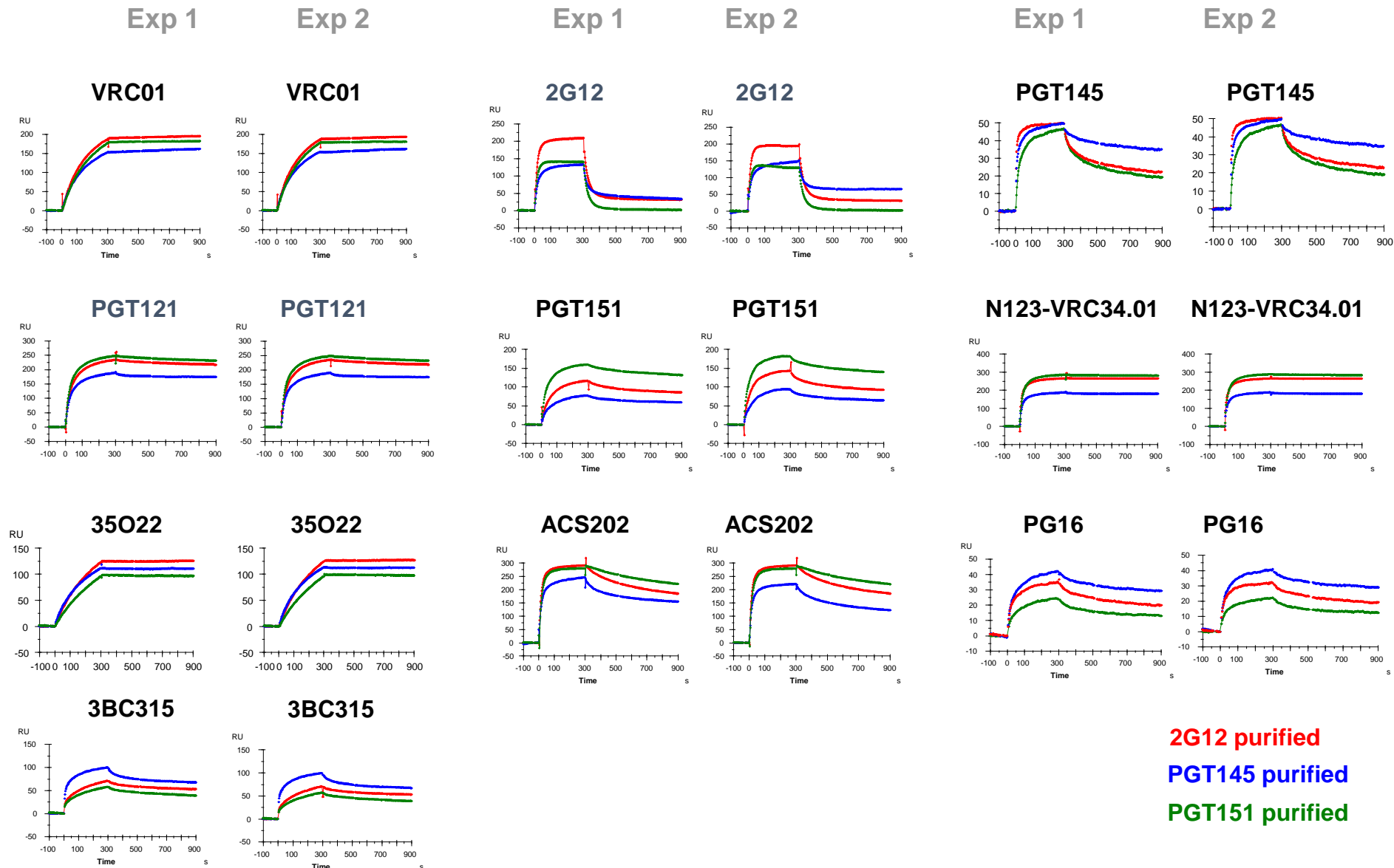


mAbs binding to CZA SOSIP.664 : zero analyte subtracted

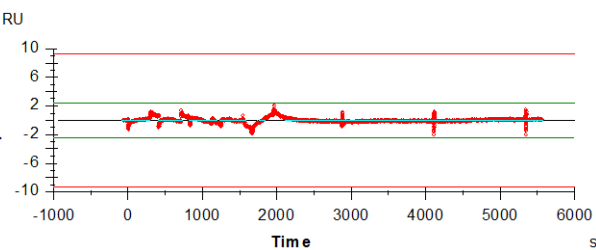
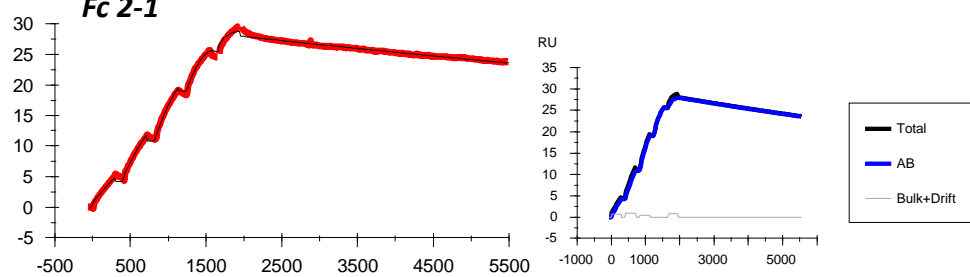


CZA SOSIP.664 Trimers were captured at mean density of 253 RU with a standard deviation of ± 5.5 RU

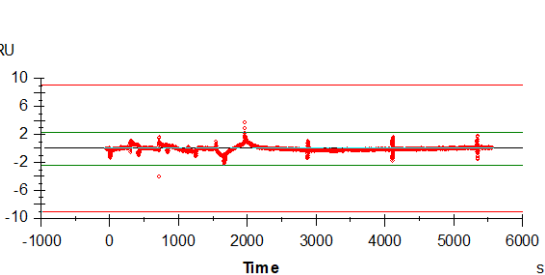
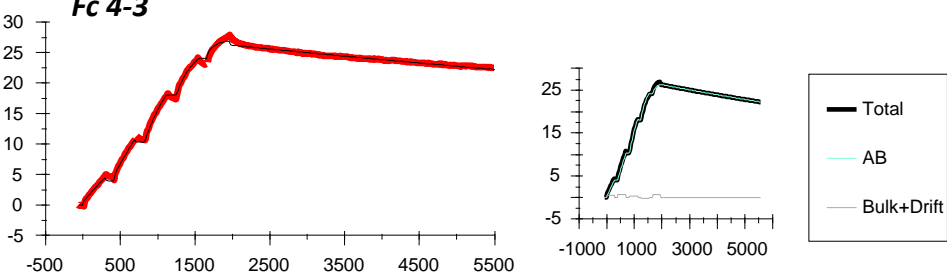
CZA97.012 SOSIP.664

Experiment	Slide #
Fig 10B: 3BNC117 fab vs CZA97-2G12 purified: SCK.....	2
Fig S4: 3BNC117 fab vs CZA97-2G12 purified: MCK.....	3
Fig 11: PGT151 fab vs CZA97-2G12 purified: SCK.....	4-6
Fig S4: PGT151 fab vs CZA97-2G12 purified: MCK.....	7-12
Fig 11: PGT151 fab vs CZA97-PGT151 purified: SCK.....	14-19

Fc 2-1

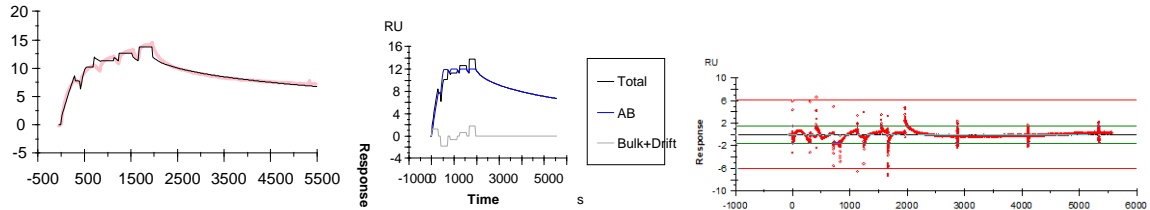


Fc 4-3

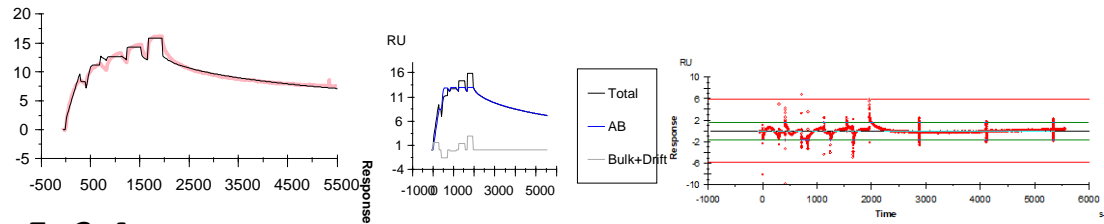


Fc 2-1	Langmuir Global Rmax													
	MA	ML	RL	(MA/ML)*RL	Rmax	Sm								
	50	354	72	10.2	28	2.8								
Curve	ka (1/Ms)	kd (1/s)	KD (M)	Rmax (RU)	Conc (M)	tc	Flow (ul/m)	kt (RU/Ms)	RI (RU)	Chi ² (RU ²)	U-value			
	8.73E+03	4.83E-05	5.53E-09	28.37		4.59E+13				0.096	1			
Cycle: 4					6.25E-08		50	1.69E+14	0.68					
					1.25E-07				0.94					
					2.50E-07				0.49					
					5.00E-07				9.2E-04					
					1.00E-06				0.85					
Curve	ka (1/Ms)	T(ka)	kd (1/s)	T(kd)	Rmax (RU)	T(Rmax)	Conc (M)	tc	T(tc)	f (ul/min)	RI (RU)	T(RI)		
	8.73E+03	1.50E+03	4.83E-05	8.10E+02	28.4	7.40E+03		4.59E+13	2.20E-02					
Cycle: 4							6.25E-08			50	0.7	120		
							1.25E-07				0.9	140		
							2.50E-07				0.5	60		
							5.00E-07				0	0.12		
							1.00E-06				0.8	130		

Fc 4-3	Langmuir Global Rmax													
	MA	ML	RL	(MA/ML)*RL	Rmax	Sm								
	50	354	65.8	9.3	27	2.9								
Curve	ka (1/Ms)	kd (1/s)	KD (M)	Rmax (RU)	Conc (M)	tc	Flow (ul/m)	kt (RU/Ms)	RI (RU)	Chi ² (RU ²)	U-value			
	8.94E+03	4.68E-05	5.24E-09	26.6		5.49E+20				0.0967	1			
Cycle: 4					6.25E-08		50	2.02E+21	0.52					
					1.25E-07				0.73					
					2.50E-07				0.30					
					5.00E-07				-2.2E-01					
					1.00E-06				0.67					
Curve	ka (1/Ms)	T(ka)	kd (1/s)	T(kd)	Rmax (RU)	T(Rmax)	Conc (M)	tc	T(tc)	f (ul/min)	RI (RU)	T(RI)		
	8.94E+03	1.40E+03	4.68E-05	7.30E+02	26.6	7.00E+03		5.49E+20	1.50E-04					
Cycle: 4							6.25E-08			50	0.5	89		
							1.25E-07				0.7	100		
							2.50E-07				0.3	36		
							5.00E-07				-0.2	-30		
							1.00E-06				0.7	100		

SCK: PGT151 fab vs CZA97.012 *2G12-purified*

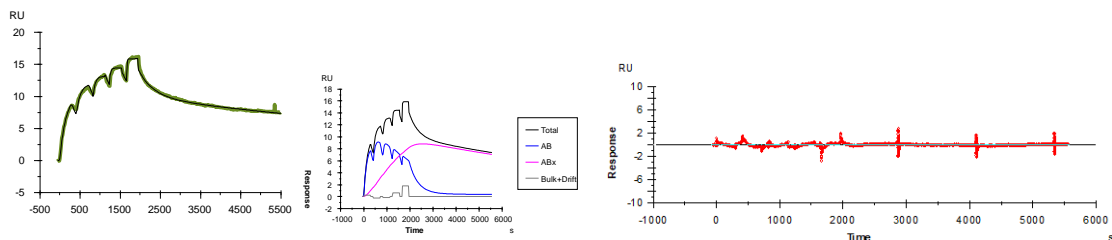
Fc 2-1



Fc 3-4

Langmuir fit												
MA	ML	RL	(MA/ML)*RL	Rmax	Sm							
50	354	85	12.0	13	1.1							
Curve	ka (1/Ms)	kd (1/s)	KD (M)	Rmax (RU)	Conc (M)	tc	Flow (ul/m)	kt (RU/Ms)	RI (RU)	Chi² (RU²)	U-value	
	7.5E+05	9.8E-04	1.3E-09	13		133621.2				0.287116	15.14376	
Cycle: 5					6.3E-08		50	4.9E+05	1.6			
					1.3E-07				-1.6			
					2.5E-07				-0.2			
					5.0E-07				1.4			
					1.0E-06				2.9			
Curve	ka (1/Ms)	T(ka)	kd (1/s)	T(kd)	Rmax (RU)	T(Rmax)	Conc (M)	tc	T(tc)	f (ul/min)	RI (RU)	T(RI)
	7.5E+05	2.6E+01	9.8E-04	2.7E+01	13	948		1.34E+05	274			
Cycle: 5							6.3E-08			50	1.6	133
							1.3E-07				-1.6	-92
							2.5E-07				-0.2	-15
							5.0E-07				1.4	81
							1.0E-06				2.9	173

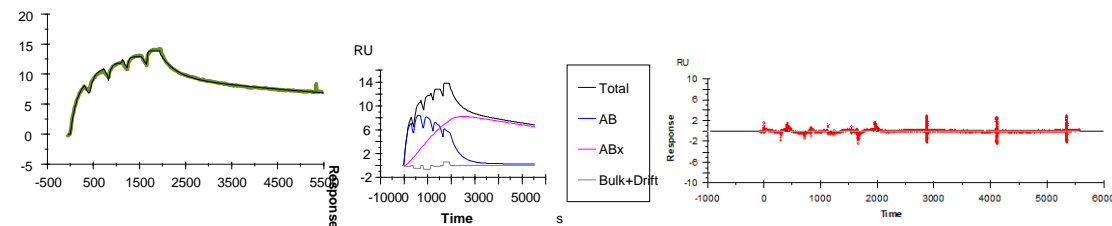
Langmuir fit												
MA	ML	RL	(MA/ML)*RL	Rmax	Sm							
50	354	79	11.2	12.08	1.1							
Curve	ka (1/Ms)	kd (1/s)	KD (M)	Rmax (RU)	Conc (M)	tc	Flow (ul/m)	kt (RU/Ms)	RI (RU)	Chi² (RU²)	U-value	
	7.1E+05	9.1E-04	1.3E-09	12.084754		124215				0.237228	11.64904	
Cycle: 5					6.3E-08		50	4.6E+05	1.2			
					1.3E-07				-1.8			
					2.5E-07				-0.7			
					5.0E-07				0.6			
					1.0E-06				1.7			
Parameters												
Curve	ka (1/Ms)	T(ka)	kd (1/s)	T(kd)	Rmax (RU)	T(Rmax)	Conc (M)	tc	T(tc)	f (ul/min)	RI (RU)	T(RI)
	7.1E+05	35	9.1E-04	37	12	1192		1.24E+05	339			
Cycle: 5							6.3E-08			50	1.2	115
							1.3E-07				-1.8	-127
							2.5E-07				-0.7	-52
							5.0E-07				0.6	46
							1.0E-06				1.7	128



Fc 2-1

Conformational change																		
MA	ML	RL	MA/ML*RI	Rmax	Sm	KD1	KF											
50	354	85	12	14.3	1.2	2.70E-08	5.7											
Curve	ka1 (1/Ms)	kd1 (1/s)	ka2 (1/s)	kd2 (1/s)	KD (M)	Rmax (RU)	Conc (M)	tc	Flow (ul/m)	kt (RU/Ms)	RI (RU)	Chi ² (RU ²)	U-value					
	7.42E+04	2.00E-03	6.48E-04	1.14E-04	4.05E-09	14.29		8.88E+14				0.0467	N/A					
Cycle: 5							6.25E-08		50	3.27E+15	0.1794							
							1.25E-07				-0.2877							
							2.50E-07				-0.2107							
							5.00E-07				0.5713							
							1.00E-06				1.777							

Curve	ka1 (1/Ms)	T(ka1)	kd1 (1/s)	T(kd1)	ka2 (1/s)	T(ka2)	kd2 (1/s)	T(kd2)	Rmax (RU)	T(Rmax)	Conc (M)	tc	T(tc)	f (ul/min)	RI (RU)	T(RI)
	7.42E+04	4.80E+02	2.0E-03	2.70E+02	6.48E-04	4.8E+02	1.14E-04	3.40E+02	14.3	2.60E+03		8.88E+14	0.0054			
Cycle: 5											6.25E-08			50	0.2	24
											1.25E-07				-0.3	-48
											2.50E-07				-0.2	-40
											5.00E-07				0.6	98
											1.00E-06				1.8	2.80E+02

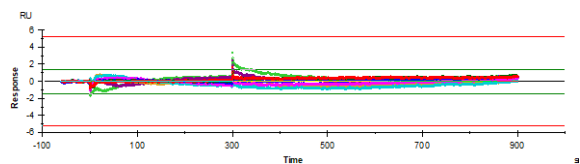
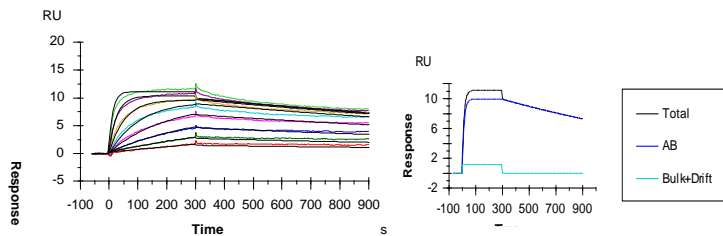


Fc 3-4

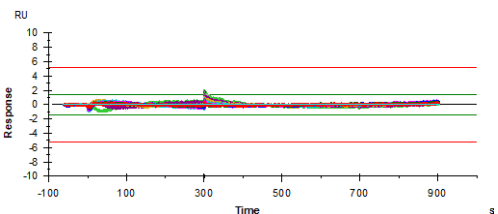
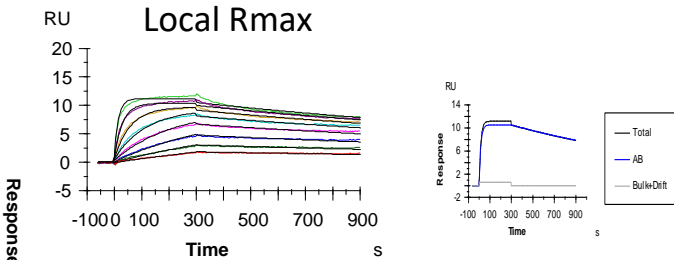
Conformational change																		
MA	ML	RL	MA/ML*RI	Rmax	Sm	KD1	KF											
50	354	79	11	13.4	1.2	2.80E-08	5.7											
Curve	ka1 (1/Ms)	kd1 (1/s)	ka2 (1/s)	kd2 (1/s)	KD (M)	Rmax (RU)	Conc (M)	tc	Flow (ul/m)	kt (RU/Ms)	RI (RU)	Chi ² (RU ²)	U-value					
	7.43E+04	2.08E-03	6.62E-04	1.16E-04	4.16E-09	13.39		2.83E+14				0.0467	N/A					
Cycle: 5							6.25E-08		50	1.04E+15	-0.1039							
							1.25E-07				-0.477							
							2.50E-07				-0.6194							
							5.00E-07				-0.1007							
							1.00E-06				0.6627							

Curve	ka1 (1/Ms)	T(ka1)	kd1 (1/s)	T(kd1)	ka2 (1/s)	T(ka2)	kd2 (1/s)	T(kd2)	Rmax (RU)	T(Rmax)	Conc (M)	tc	T(tc)	f (ul/min)	RI (RU)	T(RI)
	7.43E+04	4.50E+02	0.002079	2.60E+02	6.62E-04	4.60E+02	1.16E-04	3.30E+02	13.4	2.50E+03		2.83E+14	0.0083			
Cycle: 5											6.25E-08			50	-0.1	-14
											1.25E-07				-0.5	-80
											2.50E-07				-0.6	-1.2E+02
											5.00E-07				-0.1	-17
											1.00E-06				0.7	1.0E+02

Global Rmax



Local Rmax



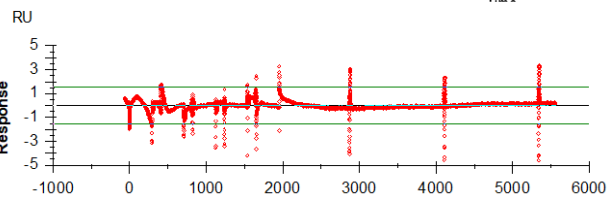
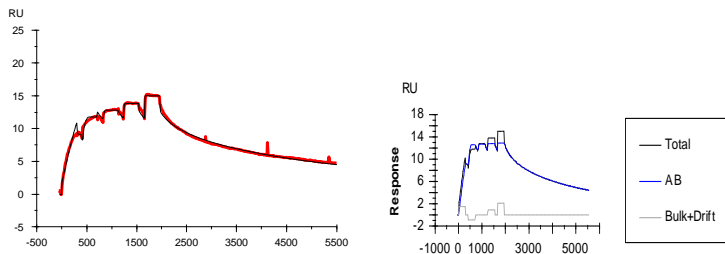
Curve:	Fc=4-3		Langmuir Global Rmax									
	MA	ML	RL	(MA/ML)*RL	Rmax	Sm						
	50	354	66.3	9.4	10	1.1						
Curve	ka (1/Ms)	kd (1/s)	KD (M)	Rmax (RU)	Conc (M)	tc	Flow (ul/m)	kt (RU/Ms)	RI (RU)	Chi ² (RU ²)	U-value	
Cycle: 4 1000 nM	7.29E+04	5.12E-04	7.02E-09	10	1.00E-06	4.75E+18	50	1.8E+19	1.17	0.15	3.1	
Cycle: 5 500 nM					5.0E-07		50	1.8E+19	0.45			
Cycle: 6 250 nM					2.5E-07		50	1.8E+19	-0.09			
Cycle: 7 125 nM					1.3E-07		50	1.8E+19	-0.14			
Cycle: 8 62.5 nM					6.3E-08		50	1.8E+19	0.13			
Cycle: 9 31.25 nM					3.1E-08		50	1.8E+19	0.18			
Cycle: 10 15.6 nM					1.6E-08		50	1.8E+19	0.23			
Cycle: 11 7.8 nM					7.8E-09		50	1.8E+19	0.19			

Parameters												
Curve	ka (1/Ms)	T(ka)	kd (1/s)	T(kd)	Rmax (RU)	T(Rmax)	Conc (M)	tc	T(tc)	f (ul/min)	RI (RU)	T(RI)
	7.29E+04	8.60E+02	5.12E-04	3.30E+02	10.02444	1786.645		4.75E+18	0.00039			
Cycle: 4 1000 nM							1.00E-06			50	1.2	133
Cycle: 5 500 nM							5.0E-07			50	0.4	52
Cycle: 6 250 nM							2.5E-07			50	-0.1	-10
Cycle: 7 125 nM							1.3E-07			50	-0.1	-17
Cycle: 8 62.5 nM							6.3E-08			50	0.1	16
Cycle: 9 31.25 nM							3.1E-08			50	0.2	24
Cycle: 10 15.6 nM							1.6E-08			50	0.2	32
Cycle: 11 7.8 nM							7.8E-09			50	0.2	27

Curve:	Fc=4-3		Langmuir Global Rmax									
	MA	ML	RL	(MA/ML)*RL	Rmax	Sm						
	50	354	66.3	9.4	10	1.1						
Curve	ka (1/Ms)	kd (1/s)	KD (M)	Rmax (RU)	Conc (M)	tc	Flow (ul/m)	kt (RU/Ms)	RI (RU)	Chi ² (RU ²)	U-value	
	6.6E+04	4.8E-04	7.34E-09			2.07E+18				0.045	1.9	
Cycle: 4 1000 nM				11	1.0E-06		50	7.64E+18	0.7			
Cycle: 5 500 nM				10	5.0E-07		50	7.64E+18	0.4			
Cycle: 6 250 nM				10	2.5E-07		50	7.64E+18	0.48			
Cycle: 7 125 nM				9	1.3E-07		50	7.64E+18	0.55			
Cycle: 8 62.5 nM				10	6.3E-08		50	7.64E+18	0.37			
Cycle: 9 31.25 nM				11	3.1E-08		50	7.64E+18	0.11			
Cycle: 10 15.6 nM				13	1.6E-08		50	7.64E+18	0.01			
Cycle: 11 7.8 nM				14	7.8E-09		50	7.64E+18	-0.04			

Curve	ka (1/Ms)	T(ka)	kd (1/s)	T(kd)	Rmax (RU)	T(Rmax)	Conc (M)	tc	T(tc)	f (ul/min)	RI (RU)	T(RI)
	6.60E+04	5.22E+02	4.84E-04	5.72E+02				2.07E+18	0.000174			
Cycle: 4 1000 nM					11	2615	1.0E-06			50	0.7	116
Cycle: 5 500 nM					10	2511	5.0E-07			50	0.4	67
Cycle: 6 250 nM					10	2292	2.5E-07			50	0.48	82
Cycle: 7 125 nM					9	1539	1.3E-07			50	0.55	104
Cycle: 8 62.5 nM					10	903	6.3E-08			50	0.37	79
Cycle: 9 31.25 nM					11	649	3.1E-08			50	0.11	26
Cycle: 10 15.6 nM					13	522	1.6E-08			50	0.01	3
Cycle: 11 7.8 nM					14	417	7.8E-09			50	-0.04	-9

CZA97.012 *PGT151-purified*



Curve: **Fc=3-1**

Model: **1:1 Binding**

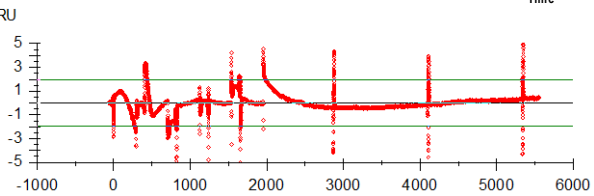
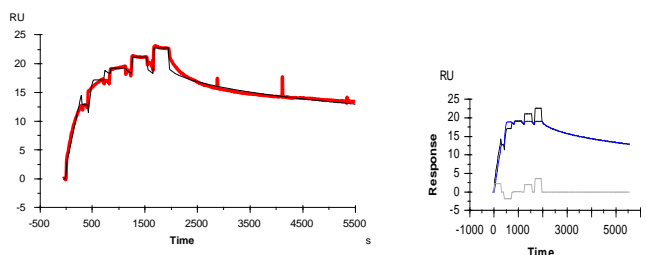
Description:	MA	ML	RL	(MA/ML)*RL	Rmax	Sm
	50	361	93	13	13	1.0

Report

Curve	ka (1/Ms)	kd (1/s)	KD (M)	Rmax (RU)	Conc (M)	tc	Flow (ul/mir)	kt (RU/Ms)	RI (RU)	Chi ² (RU)	U-value
	5.0E+05	1.5E-03	3.02E-09	13		1.6E+05				0.10	4.1
Cycle: 4					6.3E-08		50	6.1E+05	1.5		
					1.3E-07				-0.8		
					2.5E-07				0.0		
					5.0E-07				1.0		
					1.0E-06				2.1		

Parameters

Curve	ka (1/Ms)	T(ka)	kd (1/s)	T(kd)	Rmax (RU)	T(Rmax)	Conc (M)	tc	T(tc)	f (ul/mir)	RI (RU)	T(RI)
	5.0E+05	7.1E+01	1.5E-03	7.0E+01	13	1.5E+03		1.6E+05	3.7E+02			
Cycle: 4							6.3E-08			50	1.5	2.0E+02
							1.3E-07				-0.8	-8.0E+01
							2.5E-07				0.0	2.7E+00
							5.0E-07				1.0	9.7E+01
							1.0E-06				2.1	2.0E+02



Curve: **Fc=4-1**

Model: **1:1 Binding**

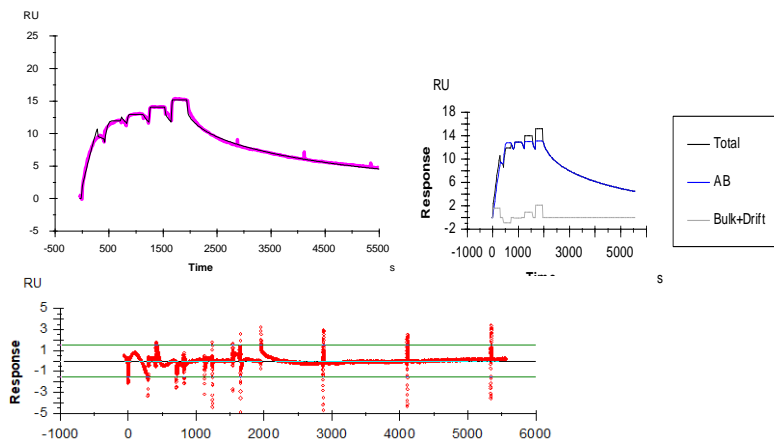
Description:	MA	ML	RL	(MA/ML)*RL	Rmax	Sm
	50	361	104	14	19	1.3

Report

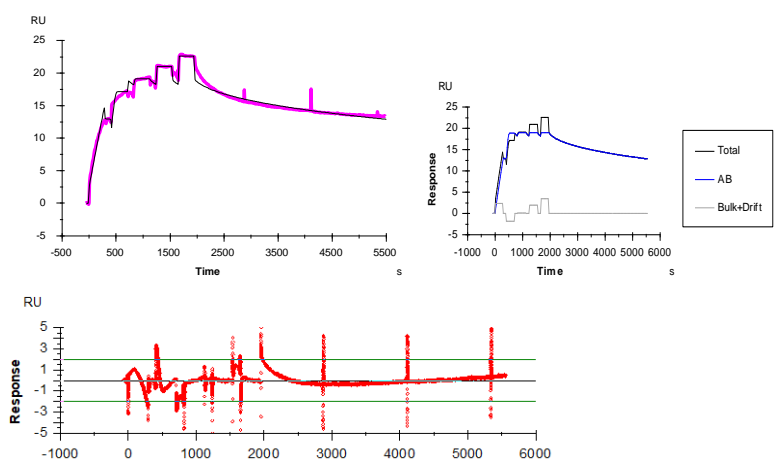
Curve	ka (1/Ms)	kd (1/s)	KD (M)	Rmax (RU)	Conc (M)	tc	Flow (ul/mir)	kt (RU/Ms)	RI (RU)	Chi ² (RU)	U-value
	9.9E+05	5.9E-04	5.94E-10	19		2.0E+05				0.42	11.6
Cycle: 4					6.3E-08		50	7.4E+05	2.3		
					1.3E-07				-1.8		
					2.5E-07				0.2		
					5.0E-07				2.0		
					1.0E-06				3.6		

Parameters

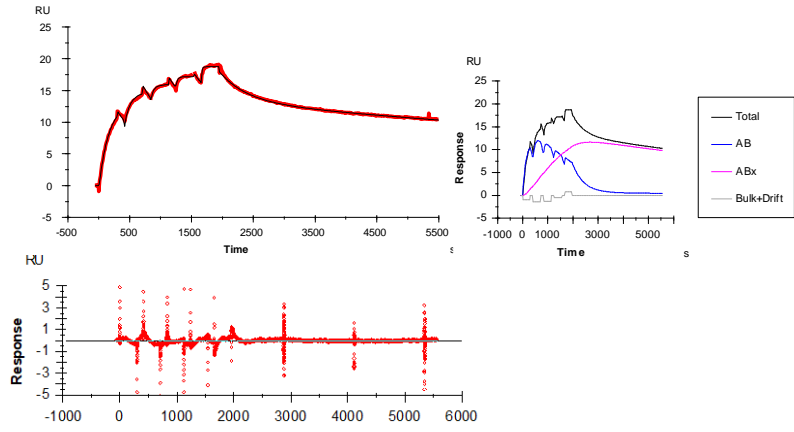
Curve	ka (1/Ms)	T(ka)	kd (1/s)	T(kd)	Rmax (RU)	T(Rmax)	Conc (M)	tc	T(tc)	f (ul/mir)	RI (RU)	T(RI)
	9.9E+05	2.4E+01	5.9E-04	2.6E+01	19	1.2E+03		2.0E+05	3.3E+02			
Cycle: 4							6.3E-08			50	2.3	1.6E+02
							1.3E-07				-1.8	-8.7E+01
							2.5E-07				0.2	8.2E+00
							5.0E-07				2.0	1.0E+02
							1.0E-06				3.6	1.8E+02



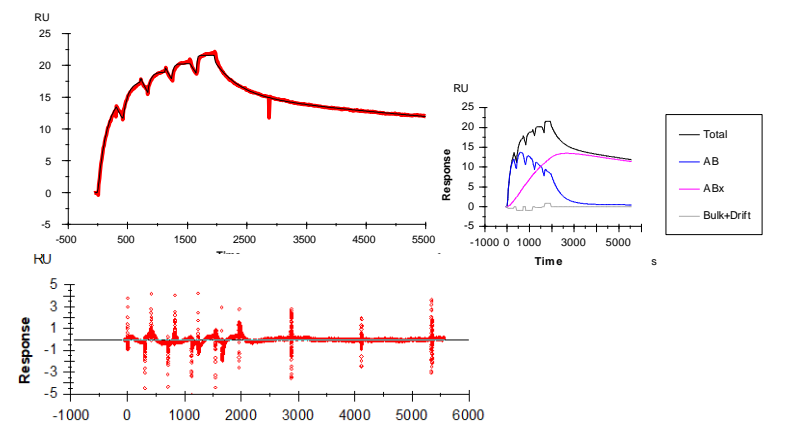
Curve:	Fc=3-1											
Model:	1:1 Binding											
Description:	MA	ML	RL	(MA/ML)*RL	Rmax	Sm						
	50	361	95	13	13	1.0						
Report												
Curve	ka (1/Ms)	kd (1/s)	KD (M)	Rmax (RU)	Conc (M)	tc	Flow (ul/mir)	kt (RU/Ms)	RI (RU)	Chi ² (RU)	U-value	
	4.9E+05	1.5E-03	3.02E-09	13	6.3E-08	1.7E+05	50	6.2E+05	1.6	0.10	4.1	
Cycle: 5					1.3E-07				-0.8			
					2.5E-07				0.0			
					5.0E-07				1.0			
					1.0E-06				2.1			
Parameters												
Curve	ka (1/Ms)	T(ka)	kd (1/s)	T(kd)	Rmax (RU)	T(Rmax)	Conc (M)	tc	T(tc)	f (ul/mir)	RI (RU)	T(RI)
	4.9E+05	7.4E+01	1.5E-03	7.3E+01	13	1.6E+03		2.0E+05	3.7E+02			
Cycle: 5							6.3E-08			50	1.6	2.1E+02
							1.3E-07				-0.8	-8.2E+01
							2.5E-07				0.0	-3.3E+00
							5.0E-07				1.0	9.8E+01
							1.0E-06				2.1	2.1E+02



Curve:	Fc=4-1											
Model:	1:1 Binding											
Description:	MA	ML	RL	(MA/ML)*RL	Rmax	Sm						
	50	361	104	14	19	1.3						
Report												
Curve	ka (1/Ms)	kd (1/s)	KD (M)	Rmax (RU)	Conc (M)	tc	Flow (ul/mir)	kt (RU/Ms)	RI (RU)	Chi ² (RU)	U-value	
	9.3E+05	5.6E-04	5.96E-10	19	6.3E-08	2.0E+05	50	7.5E+05	2.4	0.40	11.6	
Cycle: 5					1.3E-07				-1.8			
					2.5E-07				0.1			
					5.0E-07				2.0			
					1.0E-06				3.6			
Parameters												
Curve	ka (1/Ms)	T(ka)	kd (1/s)	T(kd)	Rmax (RU)	T(Rmax)	Conc (M)	tc	T(tc)	f (ul/mir)	RI (RU)	T(RI)
	9.3E+05	26	5.6E-04	28	19	1.3E+03		2.0E+05	3.3E+02			
Cycle: 5							6.3E-08			50	2.4	1.7E+02
							1.3E-07				-1.8	-8.9E+01
							2.5E-07				0.1	6.2E+00
							5.0E-07				2.0	1.1E+02
							1.0E-06				3.6	1.9E+02

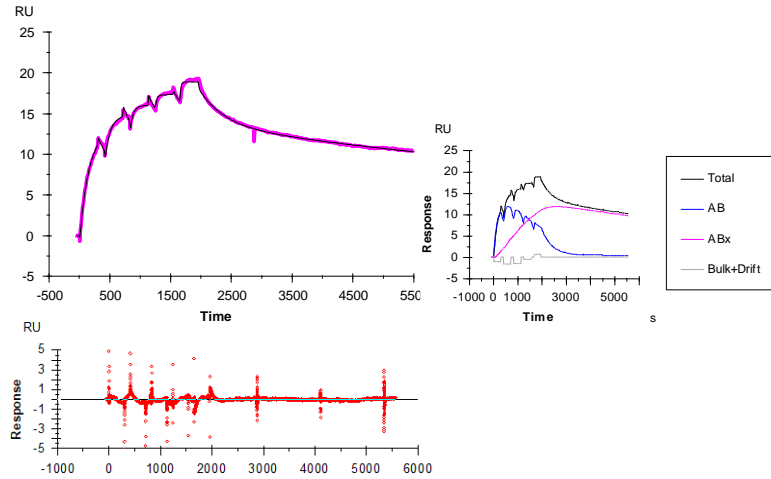


Curve:	Fc=3-1															
Model:	Two State Reaction															
Description:	MA	ML	RL	(MA/ML)*RL	Rmax	Sm										
	50	361	93	13	18	1.4										
Report																
Curve	ka1 (1/Ms)	kd1 (1/s)	ka2 (1/s)	kd2 (1/s)	KD (M)	Rmax (RU)	Conc (M)	tc	Flow (ul/m)	kt (RU/Ms)	RI (RU)	Chi ² (RU ²)	U-value			
	7.85E+04	1.57E-03	6.52E-04	1.02E-04	2.69E-09	18		1.05E+15				8.0E-02	N/A			
Cycle: 4							6.25E-08		50.0	3.87E+15		-1.0				
							1.25E-07					-1.4				
							2.50E-07					-1.3				
							5.00E-07					-0.5				
							1.00E-06					0.9				
Parameters																
Curve	ka1 (1/Ms)	T(ka1)	kd1 (1/s)	T(kd1)	ka2 (1/s)	T(ka2)	kd2 (1/s)	T(kd2)	Rmax (RU)	T(Rmax)	Conc (M)	tc	T(tc)	f (ul/min)	RI (RU)	T(RI)
	7.8E+04	4.7E+02	1.6E-03	2.2E+02	6.5E-04	3.7E+02	1.02E-04	2.6E+02	18	2.8E+03		1.05E+15	1.40E-02			
Cycle: 4											6.25E-08			50	-1.0	-96
											1.25E-07				-1.4	-190
											2.50E-07				-1.3	-190
											5.00E-07				-0.5	-67
											1.00E-06				0.9	110

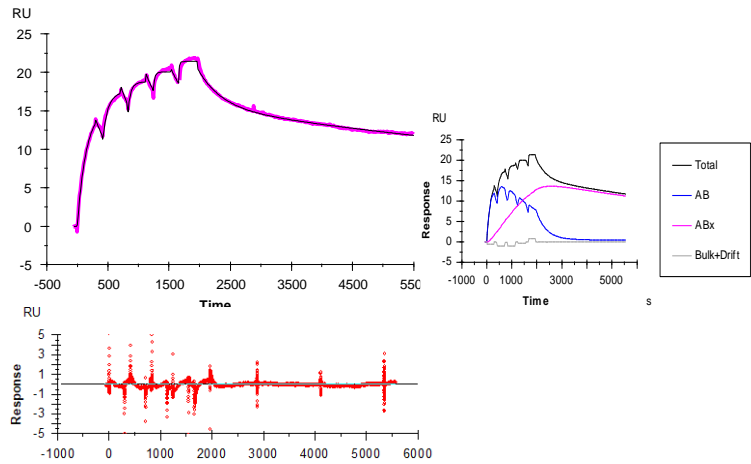


Curve:	Fc=4-1															
Model:	Two State Reaction															
Description:	MA	ML	RL	(MA/ML)*RL	Rmax	Sm										
	50	361	104	14	21	1.5										
Report																
Curve	ka1 (1/Ms)	kd1 (1/s)	ka2 (1/s)	kd2 (1/s)	KD (M)	Rmax (RU)	Conc (M)	tc	Flow (ul/m)	kt (RU/Ms)	RI (RU)	Chi ² (RU ²)	U-value			
	8.02E+04	1.69E-03	6.56E-04	9.59E-05	2.68E-09	21		6.02E+15				1.7E-01	N/A			
Cycle: 4							6.25E-08		50.0	2.22E+16		-0.41				
							1.25E-07					-0.90				
							2.50E-07					-0.89				
							5.00E-07					-0.18				
							1.00E-06					0.90				
Parameters																
Curve	ka1 (1/Ms)	T(ka1)	kd1 (1/s)	T(kd1)	ka2 (1/s)	T(ka2)	kd2 (1/s)	T(kd2)	Rmax (RU)	T(Rmax)	Conc (M)	tc	T(tc)	f (ul/min)	RI (RU)	T(RI)
	8.0E+04	3.7E+02	1.7E-03	1.9E+02	6.6E-04	3.3E+02	9.59E-05	2.1E+02	20.84	2.2E+03		6.02E+15	1.33E-03			
Cycle: 4											6.25E-08			50	-0.4	-28
											1.25E-07				-0.9	-83
											2.50E-07				-0.9	-92
											5.00E-07				-0.2	-17
											1.00E-06				0.9	78

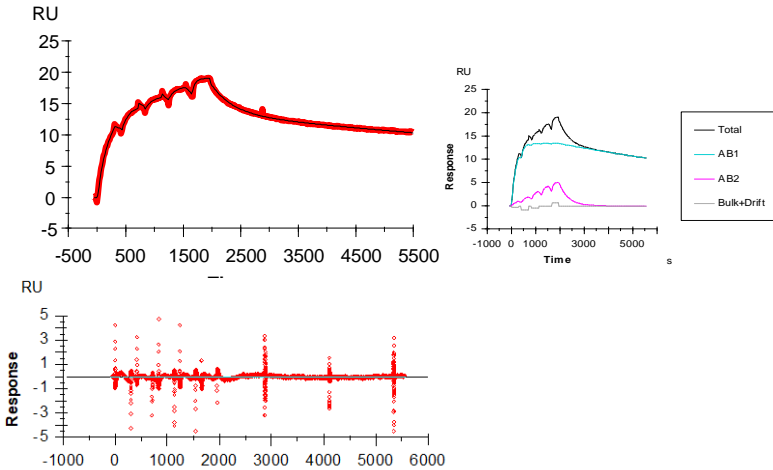
SCK: PGT151 fab vs CZA97.012 *PGT151-purified*



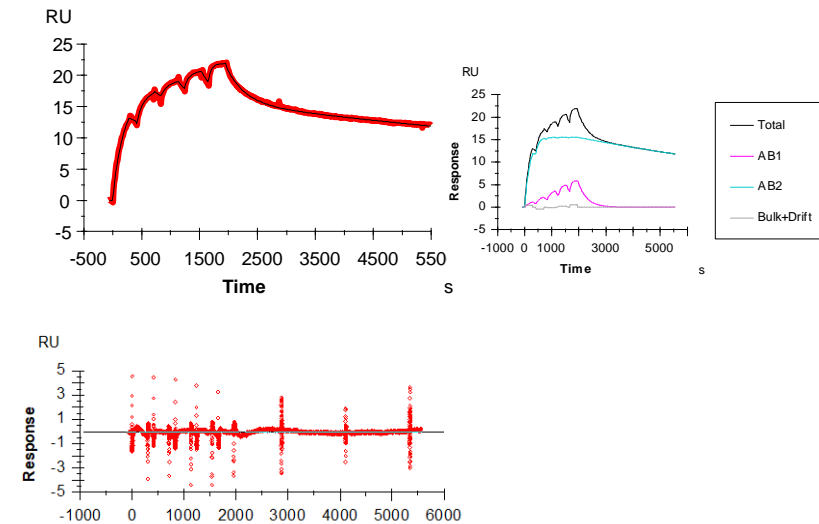
Curve:	Fc=3-1																			
Model:	Two State Reaction																			
Description:	MA	ML	RL	(M/AML)*RL	Rmax	Sm														
	50	361	95	13	18	1.4														
Report																				
Curve	ka1 (1/Ms)	kd1 (1/s)	ka2 (1/s)	kd2 (1/s)	KD (M)	Rmax (RU)	Conc (M)	tc	Flow (ul/m)	kt (RU/Ms)	RI (RU)	Chi² (RU²)	U-value							
	8.26E+04	1.70E-03	6.85E-04	1.10E-04	2.86E-09	18	6.25E-08	6.64E+14	50.0	2.44E+15	-1.0	8.8E-02	N/A							
Cycle: 5							1.25E-07				-1.4									
							2.50E-07				-1.4									
							5.00E-07				-0.5									
							1.00E-06				0.8									
Parameters																				
Curve	ka1 (1/Ms)	T(ka1)	kd1 (1/s)	T(kd1)	ka2 (1/s)	T(ka2)	kd2 (1/s)	T(kd2)	Rmax (RU)	T(Rmax)	Conc (M)	tc	T(tc)	f (ul/min)	RI (RU)	T(RI)				
	8.3E+04	4.3E+02	1.7E-03	2.2E+02	6.8E-04	3.9E+02	1.1E-04	3.0E+02	18	2.6E+03	6.25E-08	6.64E+14	5.40E-03	50	-1.0	-95				
Cycle: 5											1.25E-07				-1.4	-180				
											2.50E-07				-1.4	-200				
											5.00E-07				-0.5	-69				
											1.00E-06				0.8	94				



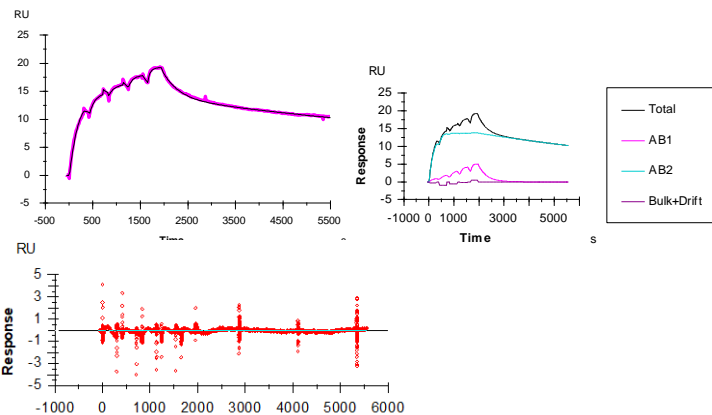
Curve:	Fc=4-1																			
Model:	Two State Reaction																			
Description:	MA	ML	RL	(M/AML)*RL	Rmax	Sm														
	50	361	104	14	21	1.5														
Report																				
Curve	ka1 (1/Ms)	kd1 (1/s)	ka2 (1/s)	kd2 (1/s)	KD (M)	Rmax (RU)	Conc (M)	tc	Flow (ul/m)	kt (RU/Ms)	RI (RU)	Chi² (RU²)	U-value							
	8.53E+04	1.83E-03	6.97E-04	1.05E-04	2.81E-09	21	6.25E-08	1.22E+18	50.0	4.49E+18	-0.5	1.5E-01	N/A							
Cycle: 5							1.25E-07				-1.0									
							2.50E-07				-1.0									
							5.00E-07				-0.3									
							1.00E-06				0.8									
Parameters																				
Curve	ka1 (1/Ms)	T(ka1)	kd1 (1/s)	T(kd1)	ka2 (1/s)	T(ka2)	kd2 (1/s)	T(kd2)	Rmax (RU)	T(Rmax)	Conc (M)	tc	T(tc)	f (ul/min)	RI (RU)	T(RI)				
	8.5E+04	3.7E+02	1.8E-03	2.0E+02	7.0E-04	3.7E+02	1.1E-04	2.6E+02	21	2.3E+03	6.25E-08	1.22E+18	1.38E-03	50	-0.5	-35				
Cycle: 5											1.25E-07				-1.0	-93				
											2.50E-07				-1.0	-110				
											5.00E-07				-0.3	-27				
											1.00E-06				0.8	74				



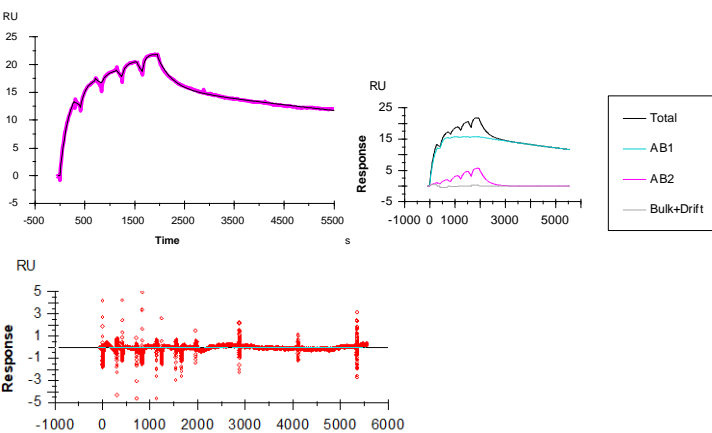
Curve:	Fc=3-1																	
Model:	Heterogeneous Ligand																	
Description:	MA	ML	RL	(M/AM/L)*RL	Rmax1	Sm1	Rmax2	Sm2	Sm1+Sm2									
	50	361	93	12.9	13.4	1.0	5.9	0.46	1.5									
Report																		
Curve	ka1 (1/Ms)	kd1 (1/s)	KD1 (M)	ka2 (1/Ms)	kd2 (1/s)	KD2 (M)	Rmax1 (RU)	Rmax2 (RU)	Conc (M)	tc	Flow (ul/m)	kt (RU/Ms)	RI (RU)	Chi ² (RU ²)	U-value			
	8.04E+04	7.43E-05	9.25E-10	1.43E+04	2.65E-03	1.85E-07	13	5.9		2.84E+16				5.91E-02	N/A			
Cycle: 4									6.3E-08		50	1.05E+17	-0.3					
									1.3E-07				-0.9					
									2.5E-07				-0.5					
									5.0E-07				-0.1					
									1.0E-06				0.6					
Parameters																		
Curve	ka1 (1/Ms)	T(ka1)	kd1 (1/s)	T(kd1)	ka2 (1/Ms)	T(ka2)	kd2 (1/s)	T(kd2)	Rmax1 (RU)	T(Rmax1)	Rmax2 (RU)	T(Rmax2)	Conc (M)	tc	T(tc)	f (ul/min)	RI (RU)	T(RI)
	8.0E+04	6.2E+02	7.4E-05	3.2E+02	1.4E+04	1.9E+02	2.65E-03	2.6E+02	13	1.7E+03	5.945581	4.96E+02		2.84E+16	7.11E-04			
Cycle: 4													6.25E-08			50	-0.3	-45
													1.25E-07				-0.9	-146
													2.5E-07				-0.5	-74
													5.00E-07				-0.1	-15
													1.00E-06				0.6	84



Curve:	Fc=4-1																	
Model:	Heterogeneous Ligand																	
Description:	MA	ML	RL	(M/AM/L)*RL	Rmax1	Sm1	Rmax2	Sm2	Sm1+Sm2									
	50	361	104	14.4	7.1	0.49	16	1.1	1.6									
Report																		
Curve	ka1 (1/Ms)	kd1 (1/s)	KD1 (M)	ka2 (1/Ms)	kd2 (1/s)	KD2 (M)	Rmax1 (RU)	Rmax2 (RU)	Conc (M)	tc	Flow (ul/m)	kt (RU/Ms)	RI (RU)	Chi ² (RU ²)	U-value			
	1.52E+04	3.11E-03	2.04E-07	7.88E+04	7.58E-05	9.62E-10	7.1	15.6		4.09E+15				9.07E-02	N/A			
Cycle: 4									6.3E-08		50	1.51E+16	0.4					
									1.3E-07				-0.4					
									2.5E-07				-0.1					
									5.0E-07				0.2					
									1.0E-06				0.5					
Parameters																		
Curve	ka1 (1/Ms)	T(ka1)	kd1 (1/s)	T(kd1)	ka2 (1/Ms)	T(ka2)	kd2 (1/s)	T(kd2)	Rmax1 (RU)	T(Rmax1)	Rmax2 (RU)	T(Rmax2)	Conc (M)	tc	T(tc)	f (ul/min)	RI (RU)	T(RI)
	1.5E+04	1.8E+02	3.1E-03	2.6E+02	7.9E+04	6.0E+02	7.58E-05	3.5E+02	7.1	4.4E+02	15.55823	1.86E+03		4.09E+15	4.63E-07			
Cycle: 4													6.25E-08			50	0.4	49
													1.25E-07				-0.4	-54
													2.5E-07				-0.1	-12
													5.00E-07				0.2	22
													1.00E-06				0.5	54



Curve:	Fc=3-1																	
Model:	Heterogeneous Ligand																	
Description:	MA	ML	RL	(MA/ML)*RL	Rmax 1	Sm 1	Rmax 2	Sm 2	Sm1+Sm2									
	50	361	95	13.2	6.1	0.46	14	1.0	1.5									
Report																		
Curve	ka1 (1/Ms)	kd1 (1/s)	KD1 (M)	ka2 (1/Ms)	kd2 (1/s)	KD2 (M)	Rmax1 (RU)	Rmax2 (RU)	Conc (M)	tc	Flow (ul/m)	kt (RU/Ms)	RI (RU)	Chi ² (RU ²)	U-value			
	1.36E+04	2.98E-03	2.18E-07	8.10E+04	8.21E-05	1.01E-09	6	13.8		1.14E+18				2.97E-01	N/A			
Cycle: 5									6.3E-08		50	4.22E+18	-0.2					
									1.3E-07				-0.9					
									2.5E-07				-0.6					
									5.0E-07				-0.1					
									1.0E-06				0.5					
Parameters																		
Curve	ka1 (1/Ms)	T(ka1)	kd1 (1/s)	T(kd1)	ka2 (1/Ms)	T(ka2)	kd2 (1/s)	T(kd2)	Rmax1 (RU)	T(Rmax1)	Rmax2 (RU)	T(Rmax2)	Conc (M)	tc	T(tc)	f (ul/min)	RI (RU)	T(RI)
	1.4E+04	8.3E+01	3.0E-03	1.2E+02	8.1E+04	2.9E+02	8.21E-05	1.8E+02	6.11	2.0E+02	13.78819	8.67E+02		1.14E+18	4.99E-06			
Cycle: 5													6.25E-08			50	-0.2	-16
													1.25E-07				-0.9	-67
													2.5E-07				-0.6	-37
													5.00E-07				-0.1	-8
													1.00E-06				0.5	30



Curve:	Fc=4-1																	
Model:	Heterogeneous Ligand																	
Description:	MA	ML	RL	(MA/ML)*RL	Rmax 1	Sm 1	Rmax 2	Sm 2	Sm1+Sm2									
	50	361	104	14.4	16	1.1	7.1	0.49	1.6									
Report																		
Curve	ka1 (1/Ms)	kd1 (1/s)	KD1 (M)	ka2 (1/Ms)	kd2 (1/s)	KD2 (M)	Rmax1 (RU)	Rmax2 (RU)	Conc (M)	tc	Flow (ul/m)	kt (RU/Ms)	RI (RU)	Chi ² (RU ²)	U-value			
	7.99E+04	8.29E-05	1.04E-09	1.46E+04	3.50E-03	2.40E-07	16	7.1		3.84E+19				2.61E-01	N/A			
Cycle: 5									6.3E-08		50	1.42E+20	0.5					
									1.3E-07				-0.5					
									2.5E-07				-0.2					
									5.0E-07				0.1					
									1.0E-06				0.4					
Parameters																		
Curve	ka1 (1/Ms)	T(ka1)	kd1 (1/s)	T(kd1)	ka2 (1/Ms)	T(ka2)	kd2 (1/s)	T(kd2)	Rmax1 (RU)	T(Rmax1)	Rmax2 (RU)	T(Rmax2)	Conc (M)	tc	T(tc)	f (ul/min)	RI (RU)	T(RI)
	8.0E+04	3.6E+02	8.3E-05	2.4E+02	1.5E+04	9.9E+01	3.50E-03	1.5E+02	15.79	1.2E+03	7.098339	2.32E+02		3.84E+19	1.31E-04			
Cycle: 5													6.25E-08			50	0.5	33
													1.25E-07				-0.5	-35
													2.5E-07				-0.2	-13
													5.00E-07				0.1	7
													1.00E-06				0.4	23